LABTRON

Biological Microscope

LBM-D1 Series

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Biological Microscope LBM-D1 Series

Biological Microscope LBM-D10 is a binocular 30° inclined viewing head microscope with 40 to 1600X zoom magnification range. With ergonomic design, high quality 195 achromatic objectives are used for observation.

Biological Microscope LBM-D11 is a binocular 30° inclined viewing head microscope with 40 to 1600X zoom magnification range. With ergonomic design, high quality plan achromatic objectives are used for observation.

Biological Microscope LBM-D12 is a trinocular 30° inclined viewing head microscope with 40 to 1600X zoom magnification range. Microscope can be mounted with CCD camera for digital microscopic photography. With ergonomic design, high quality 195 achromatic objectives are used for observation.

Biological Microscope LBM-D13 is a trinocular 30° inclined viewing head microscope with 40 to 1600X zoom magnification range. Microscope can be mounted with CCD camera for digital microscopic photography. With ergonomic design, high quality plan achromatic objectives are used for observation.

Features

- Finite optical system
- High zoom magnification range
- Binocular (30° inclined), trinocular (30° inclined) viewing head
- Built-in handle for easy access
- CCD camera attachment for digital photography (LBM-D12,LBM-D13)

Applications

Used for microscopic examination across medical, tissue culture industries, gemology, metallurgy, as well as inspection of electrical board, and others.

Specifications

Model no.	LBM-D10	LBM-D11
Optical System	Finite Optical System	
Viewing Head	Binocular viewing head, 30° inclined, 360° rotation, interpupillary distance 48 to 75 mm	
Magnification	40X to 1600X	
Objectives	195 Achromatic objectives 4x, 10x, 40x (Spring), 100x (Spring, oil)	Plan Achromatic objectives 4x, 10x, 40x (Spring), 100x (Spring, oil)
Eyepiece	Wide field WF10X/18 mm	
	Wide field WF16X/15 mm	
Nosepiece	Inward, Quadruple revolving nosepiece	
Focusing system	Coaxial coarse & fine focusing knob, coarse focusing range 20 mm, fine focusing graduation 0.002 mm	
Stage	Double layer mechanical stage size: 115 × 125 mm, Moving stage size: 76 × 52 mm	
Condenser	Abbe condenser N.A.1.25, with iris diaphragm, and height adjustment knob	
Illumination	3W LED, brightness adjustable	
Power	External power supply (adapter), AC 100V-240V, DC 5V/2A	
Voltage	220 V, 50 Hz	
Weight	12 kg	

Optional Accessories

Accessories no.	Name
1	Upper light source
2	Digital Eyepiece 2 MP
3	Digital Eyepiece 3 MP
4	Phone Adapter

Specifications

Model no.	LBM-D12	LBM-D13
Optical System	Finite Optical System	
Viewing Head	Trinocular viewing head, 30° inclined, 360° rotation, interpupillary distance 48 to 75 mm	
Magnification	40X to 1600X	
Objectives	195 Achromatic objectives 4x, 10x, 40x (Spring), 100x (Spring, oil)	Plan Achromatic objectives 4x, 10x, 40x (Spring), 100x (Spring, oil)
Eyepiece	Wide field WF10X/18 mm	
	Wide field WF16X/15 mm	
Nosepiece	Coaxial coarse & fine focusing knob, coarse focusing range 20 mm, fine focusing graduation 0.002 mm	
Stage	Double layer mechanical stage size: 115 × 125 mm, range: 76 × 52 mm	
Condenser	Abbe condenser N.A.1.25, with iris diaphragm, and height adjustment knob	
Illumination	3W LED, brightness adjustable	
Power	External power supply (adapter), AC 100V-240V, DC 5V/2A	
Voltage	220 V, 50 Hz	
Weight	14 kg	

Optional Accessories

Accessories no.	Name
1	Upper light source
2	Digital Eyepiece 2 MP
3	Digital Eyepiece 3 MP
4	Phone Adapter
5	Digital Camera 3 MP for Trinocular
6	Digital Camera 5 MP for Trinocular

Biological Microscope LBM-D14

Biological Microscope LBM-D14 is a 45° inclined monocular viewing head microscope with 40 to 1600X zoom magnification range. Microscope can be mounted with CCD camera for digital microscopic photography. With ergonomic design, high quality 195 achromatic objectives are used for observation.

Features

- Finite optical system
- High zoom magnification range
- Monocular (45° inclined) viewing head
- Built-in handle for easy access
- CCD camera attachment for digital photography

Applications

Used in clinical research, education, teaching field, life science research institutes, laboratories, centers, and colleges.

Specifications

Model no.	LBM-D14
Optical System	Finite Optical System
Viewing Head	Monocular viewing head, 45° inclined, 360° rotation
Magnification	40X to 1600X
Objectives	195 Achromatic objectives 4x, 10x, 40x (Spring), 100x (Spring, oil)
Eyepiece	Wide field WF10X/18 mm
	Wide field WF16X/15 mm
Nosepiece	
Focusing system	Coaxial coarse & fine focusing knob, coarse focusing range 20 mm, fine focusing graduation 0.002 mm
Stage	Double layer mechanical stage size: 115 × 125 mm, range: 76 × 52 mm
Condenser	Abbe condenser N.A.1.25, with iris diaphragm, and height adjustment knob
Illumination	3W LED lamp, brightness adjustable
Power	External power supply (adapter), AC 100V-240V, DC 5V/2A
Voltage	220 V, 50 Hz
Weight	10 kg

Optional Accessories

Accessories no.	Name
1	Upper light source
2	Phone Adapter
3	Digital Camera 3 MP for Trinocular
4	Digital Camera 5 MP for Trinocular